BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Modified Estimate for Construction of 1st Floor Womens training Building at Kodigehalli in ward no. 8, Kodigehalli sub division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 (P.5/2.4 PWD SR - 2011-12).	**Cum**							
			Not Executed						
2	KSRB 2.8: Providing and Filling in foundation with granite / trap broken metal 10mm. And down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. (P6/2.15)	**Cum**							
			Not Executed						
3	KSRRB 2900-4.1: Providing and laying in position plain cement concrete mix 1:4:8 with stone aggregate 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level / bed level machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, cost of all materials, labour, HOM of machineries, curing complete as per specifications. (P.12/4.3)	**Cum**							
			Not Executed						
4	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of materials, labour complete as per specifications. (P16/4.28)	**Sqm**							
			Not Executed						
5	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square/ rectangular/polygon in plan including cost of all materials, labour complete as per specifications. (P17/4.32)	**Sqm**							
	First Floor:- Columns		14	1.35		3.10	58.59	TP	
							58.59	284.00	**16639.56**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-6.7: Providing and removing centerign, shuttering strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of materials, labour complete as per specifications.(P17/4.34)								
	First Floor:- Lintel		2	59.40		0.25	29.70		
	Tie Beams		2	45.70		0.30	27.42	TP	
	Beams		2	11.00		1.20	26.40		
							83.50	198.00	**16533.00**
7	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.17/I.4.37)	**Sqm**							
	First Floor:- W1		7	1.30	0.45		4.10		
	W		2	2.00	0.45		0.90	TP	
							5.00	213.00	**1065.00**
8	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.16/I.4.29)	**Sqm**							
	First Floor:- Roof		1	12.30	11.00		135.30		
			1	3.60	7.20		25.92		
	Landing		1	3.30	1.50		4.95		
	First Flight		1	3.90	1.50		5.85		
	Second Flight		1	3.20	1.50		4.80	TP	
							176.82	**272.00**	**48095.04**
9	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (m-20) with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 (P.15/I.4.17)	**Cum**							
	First Floor: Columns		14	0.45	0.23	3.10	4.49		
	Lintel		1	45.68	0.23	0.20	2.10		
	Beams		2	11.00	0.23	0.45	2.28		
	Tie Beams		1	45.68	0.23	0.30	3.15		
	Roof		1	12.30	11.00	0.15	20.30		
			1	3.60	7.20	0.15	3.89		
	Landing Slab		1	3.30	1.75	0.15	0.87		
	1st Flight		1	3.90	1.50	0.15	0.88		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	2nd Flight		1	3.20	1.50	0.15	0.72		
	Steps		1x22x1/2	1.50	0.30	0.15	0.74	TP	
							39.42	**5458.00**	**215154.36**
10	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix 1:1.5:3 (M20) with 12mm and down size graded granite metal, machine mixed, well compacted for plain chajja of 7.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P. 13/4.19 PWD SR - 2011-12).	**Sqm**							
	W		7	1.30	0.45		4.10		
	W1		2	2.00	0.45		0.90	TP	
							5.00	400.00	**2000.00**
11	Providing and fabricating TMT Steel reinforcement bars including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tieing with binding wire, anchoring to the adjoining members wherever necessary, as per designs (laps, hooks and wastages shall not be measured and paid) including cost of all materials, labour, HOM of machineries complete as per specifications. (P19\4.46)	**Qntl**							
	(1.20 Qntl/Cum)		1.20				46.55	TP	
							46.55	7571.00	**352430.05**
12	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P27/5.27)	**Cum**							
	A) First Floor:-		Not Executed						
13	Providing flooring with 60 cms.x 60 cms. size Vitrified glazed tiles of approved quality & make, fixed on top of existing flooring fixed with suitable adhesive, including cutting the tiles to the required size and fixing etc., complete.(P.114/14.44)	**Sqm**							
			Not Executed						

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	Supplying and fixing pressed steel door frames size 125x65mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made our of seasoned Honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm. width and bottom rails of 250mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manugactureing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipement and all other incidental charges with all lead	**Sqm**							
			Not Executed						
15	KSRB 7.7: Providing and fixing in position in cement concrete 1:3:6 steel galzed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Jg/m duly providing T section 19x19x3mm weighing 0.839Kg/m for glazing of windows not more than 34cms. c to c including providing and fixing 4mm. thick reeded glass to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. (P36/7.7)	**Sqm**							
	W		2	1.80		1.20	4.32		
	W1		7	1.20		1.20	10.08	TP	
	Total Executed Qty						**14.40**		
	Tender Qty Up to 125% x Tender Rate						**9.74**	3348.00	**32609.52**
	Above 125%						**4.66**	3460.36	**16125.26**
	PWD SR 2012-13 Basic Rate	3112.00							
	Area Weightage @ 6%	186.72							
	Total	**3298.72**							
	Tender Premium 4.90%	**161.64**							
		3460.36							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	KSRB 7.1: Providing and fixing in position collapsable steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stopers, handles on borht sides with 7.5cms opeinings at 10cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.(P30/7.1)	Sqm							
	First Floor:- CG		Not Executed						
17	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with **cement mortar 1:4**, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.120/15.22)	**Sqm**							
	Hall		1	10.54	11.86		125.00		
	Front		1	3.60	7.20		25.92	TP	
	Total Executed Qty						**150.92**		
	Tender Qty Up to 125% x Tender Rate						**120.13**	144.00	**17298.72**
	Above 125%						**30.81**	138.99	**4282.36**
	PWD SR 2012-13 Basic Rate	125.00							
	Area Weightage @ 6%	7.50							
	Total	**132.50**							
	Tender Premium 4.90%	**6.49**							
		138.99							
18	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.119/15.14)	**Sqm**							
	Hall		2	11.84		3.00	71.04		
			2	10.54		3.00	63.24		
	Front		1	11.00		3.00	33.00		
			2	3.60		2.23	16.06		
			2	7.20		2.23	32.11		
							215.45		
	Deductions (-) D		2x0.5	1.20		2.10	2.52		
	W		2x0.5	1.80		1.20	2.16		
	W1		7x0.5	1.20		1.20	5.04		
							9.72	TP	
							205.73	**132.00**	**27156.36**
19	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.121/15.33)	**Sqm**						TP	
	A) First Floor		Qty Vide Item No. 17+18				**356.65**	**18.00**	**6419.70**
20	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc. complete. (P234/37.30)	**Sqm**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Not Executed						
21	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry and concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.120/15.19)	**Sqm**							
	Roof		1	12.30	11.00		135.30		
			1	3.60	7.20		25.92	TP	
							161.22	**193.00**	**31115.46**
22	KSRB 15.3.3 Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P119/15.11)	**Sqm**							
	A) First Floor:-		1	15.90		5.38	85.54		
			1	12.30		5.38	66.17		
			1	10.54		2.23	23.50		
			1	6.74		2.23	15.03		
			2	3.60		2.23	16.06		
							206.31		
	Deductions (-) D		2x0.5	1.20		2.10	2.52		
	W		2x0.5	1.80		1.20	2.16		
	W1		7x0.5	1.20		1.20	5.04		
							-9.72	TP	
	Total Executed Qty						**196.59**		
	Tender Qty Up to 125% x Tender Rate						**171.23**	119.00	**20376.37**
	Above 125%						**25.36**	114.53	**2904.48**
	PWD SR 2012-13 Basic Rate	103.00							
	Area Weightage @ 6%	6.18							
	Total	**109.18**							
	Tender Premium 4.90%	**5.35**							
		114.53							
23	KSRB 8.6-8: Providing and fixing on wall surface 4.0Kg/Sqcm HDPE rain down water pipes 110mm outer dia. Approved makes and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. (P52/8.19)	**Rmtr**							
			Not Executed						

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P123/15.49)	Sqm						TP	
	A) First Floor		Qty vide item No 19				356.65	58.00	20685.70
25	KSRB 15-13.3: Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. (P.122/15.47.1)	Sqm						TP	
	A) First Floor		Qty Vide Item No. 22				196.46		
	Tender Qty Up to 125% x Tender Rate						171.23	41.00	7020.43
	Above 125%						25.23	38.92	981.90
	PWD SR 2012-13 Basic Rate	35.00							
	Area Weightage @ 6%	2.10							
	Total	37.10							
	Tender Premium 4.90%	1.82							
		38.92							
26	KSRB 14.10-1: Flooring with **25mm to 40mm thick polished tandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, , including cost of materials, labour, curing, polishing complete as per specifications. (P.110/14.15)	Sqm							
			Not Executed						
27	KSRB 11-2: Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580x440mm with integral type footrests, 100mm S or P trap, 10 litre low level, PVC flushing cistern (all are Approved make) with fitting CI/M.S brackets, 32mm diameter flush pipe fittings and clamps overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required including cost of materials labbour complete as per specifications Specification No. KBS11 Page. 78/ Item 12.2	Pan							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			Not Executed						
28	KSRB 11-11.3 Providing and fixing white vitreous china clay, flat back wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with C.I/M.S brackets 32mm C.P. brass waste of standard pattern painting of fittings and brackets, cutting and making good the wall and floor wherever required including cost of materials labour complete as per specifications. Specification No. KBS 11 (Page. 82/ Item 12.30	**Unit**							
			Not Executed						
	EXTRA ITEM								
1	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 32/Item No. 6.17/ PWD SR 2012-13**	Cum							
	Long Walls		2	12.30	0.23	3.00	16.97		
	Short Wall		2	10.54	0.23	3.00	14.55		
	Front Wall		1	3.60	0.23	1.00	0.83		
			1	7.20	0.23	1.00	1.66		
	Parapet Wall		1	52.00	0.90	0.23	10.76		
			1	18.00	1.00	0.23	4.14		
			2	0.23	0.23	1.50	0.16		
			1	1.00	0.23	1.50	0.35		
			1	2.31	0.23	2.30	1.22		
							50.63		
	Deductions (-) D		**2**	**1.2**	0.23	2.10	1.16		
	W		2	1.80	0.23	1.20	0.99		
	W1		7	1.20	0.23	1.20	2.32		
	Lintel		1	59.39	0.23	0.20	2.73		
	Tie Beam		1	45.68	0.23	0.30	3.15		
							10.36		
					Net qty		**40.27**	**5236.40**	**210884.96**
	PWD SR 2012-13 Basic Rate	4940.00							
	Area Weightage @ 6%	296.40							
	Total	**5236.40**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
2	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded								
			1	12.25	11.00		**134.75**		
			1	3.65	7.20		**26.28**		
			1	3.46	3.46		**11.97**		
	PWD SR 2012-13 Basic Rate	650.00					**173.00**	**689.00**	**119197.00**
	Area Weightage @ 6%	39.00							
	Total	**689.00**							
3	KSRB 6-8.1 :Construction of partition wall 10 cms thick with table moulded modular burnt bricks of class designation 50 with cement mortar 1:4including providing and fixing plaster mesh manufactured out of hot dipped gelvanised iron of nominal thickness 0.35 mm. 100 mm. wide as per I.S. 2212/1991 at 7.5 m. c to c including cost of materials, labour charges, scaffolding, curing complete as per specifications.	**Sqm**							
	Ground Floor		3	2.50		3.15	23.63		
			1	3.10		3.15	9.77		
			2	3.25		3.15	20.48		
	Compound Wall		1	25.00		1.10	27.50		
							81.37	**637.06**	**51837.57**
	PWD SR 2012-13 Basic Rate	601.00							
	Area Weightage @ 6%	36.06							
	Total	**637.06**							

Sl. No	Description of Item	No	L	B	D	Qty	Unit	Rate	Amount
4	KSRB 9.4-2: Providing Honne wood frames of doors windows clerestory wideows ventilators and other frames wrought framed or assmebled includind making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials, labour HOM of machineries complete as per specifications, specification No KBS 9.33 Page NO.55/ items No.9.11/ PWD SR 2012-13						Cum		
	MD	2x2	2.10	0.15	0.12	0.15			
		2x2	1.05	0.15	0.12	0.08			
						0.23		75699.90	17411.00
	PWD SR 2012-13 Basic Rate 71415.00								
	Area Weightage @6% 4284.00								
	Total 75699.00								
5	KSRB 9.5-2: Providing and fixing in position fully panelled Honne wood Shulters for doors styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawingh and panels of 25mm thick including cost of materials labours HOM of machineries complete as per Specifications(excluding cost of fixtures) Specifications No.9.34 Page No 56/ Itms No.9.15/PWD SR 2012-13						Sqm		
	MD	2	1.20		1.20	5.04			
				Net Qty		5.04		3474.68	17512.00
	PWD SR 2012-13 Basic Rate 3278.00								
	Area Weightage @6% 196.68								
	Total 3474.68								
	Total								1255735.20
	(Rupees Twelve Lakhs fifty five thousand seven hundred and thrity five and twenty paise only)								

Certificate

1) The work spot has been inspected and the work is found necessary
2) The estimate is prepared as per CSR of 2011-12 and 2012-13
3) The Provisions were made in this estimate are necessary and adequate
This works come under BBMP limits

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli sub Division
Bruhat Bangalore Mahanagar Palike.

Executive Engineer,
Byatarayanapura Division.

Chief Engineer,
Yelahanka Zone.

27/12/13

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92